

# Work Order ID 123138

Tuesday, July 29, 2014 2:32:19 PM

**\*123138\***

Page 1

Item ID: D3215-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Harness Assembly  
Start Date: 7/29/14 Start Qty: 4.00 **\*4\*** Cust Item ID:  
Required Date: 7/29/14 Req'd Qty: 4.00 **\*4\*** Customer:  
Reference:

Approvals: Process Plan: J.A Date: 14/07/30 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3215	Rev D

100 PURCHASING 0.00

**\*100\***

Purchasing

Purchasing

Memo

26218

0.00

Issue P/O: ~~25767~~ to Tulmar Safety Systems  
D3215-043 as per Dwg D3215  
Ship to Tulmar  
Certificate of Conformity is required

CZ 14/08/23 (4)

110 Receive & Inspect for Damage & Mat'l Certs 0.00

**\*110\***

Packaging

Packaging

Memo

Ensure certificate of conformity is attached

0.00

4x SP 14-11-12

120 QC6- Inspect dimensions to drawing 0.00

**\*120\***

QC

Quality Control

Memo

0.00

(4)

DAS  
38  
9-89

NOV 13 2014

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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**Work Order ID 123138**

Tuesday, July 29, 2014 2:32:19 PM

**\*123138\***

Page 2

Item ID: D3215-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Harness Assembly  
Start Date: 7/29/14 Start Qty: 4.00 **\*4\*** Cust Item ID:  
Required Date: 7/29/14 Req'd Qty: 4.00 **\*4\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <i>84604</i>	0.00				<i>4</i>	<b>DAS</b> <b>06</b> <b>8-89</b>		
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

*14/11/17*  
*MF*  
*14-11-14*

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/> ~            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

Tuesday, July 29, 2014 2:32:18 PM

Page 1

Work Order ID: 123138

**\*123138\***

Parent Item: D3215-043

**\*D3215-043\***

Parent Item Name: Harness Assembly

Start Date: 7/29/14

Required Date: 7/29/14

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP A03.10.28New IssueKJ/RF  
IPP B 07.06.12 ecn 940 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3215-043P		Purchased	No			110	Each	0.0000	1	4			
<b>*D3215-043P*</b>									<b>**</b>				
Harness Assembly													
D3215-3		Manufactured	No			100	Each	4.0000	2	8			
<b>*D3215-3*</b>									<b>**</b>				
Webbing Tidy													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST030		4							
				108673		4							
D3216-1		Manufactured	No			100	Each	24.0000	2	8			
<b>*D3216-1*</b>									<b>**</b>				
Fitting													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST030		24							
				108674		24							
D3216-3		Manufactured	No			100	Each	0.0000	1	4			
<b>*D3216-3*</b>									<b>**</b>				
Fitting													

B 1 22992

4x 8014-11-12

CL14/09/14

4 B122870

4

CL14/09/14

8

CL14/09/14

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

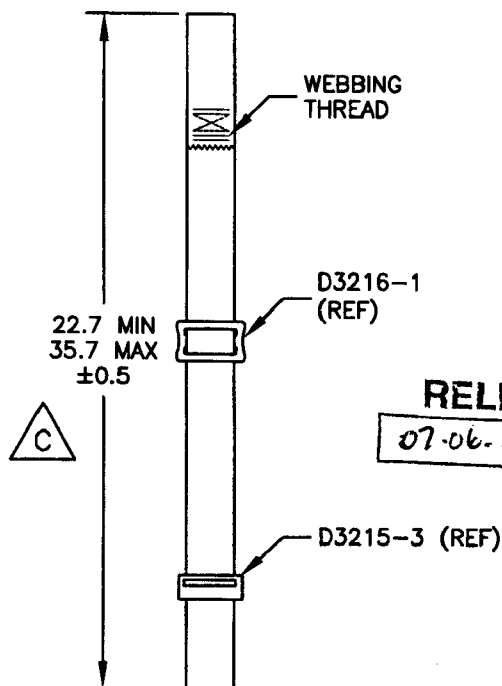
Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											

FAULT CATEGORY			
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

J.A 14/07/30 123138



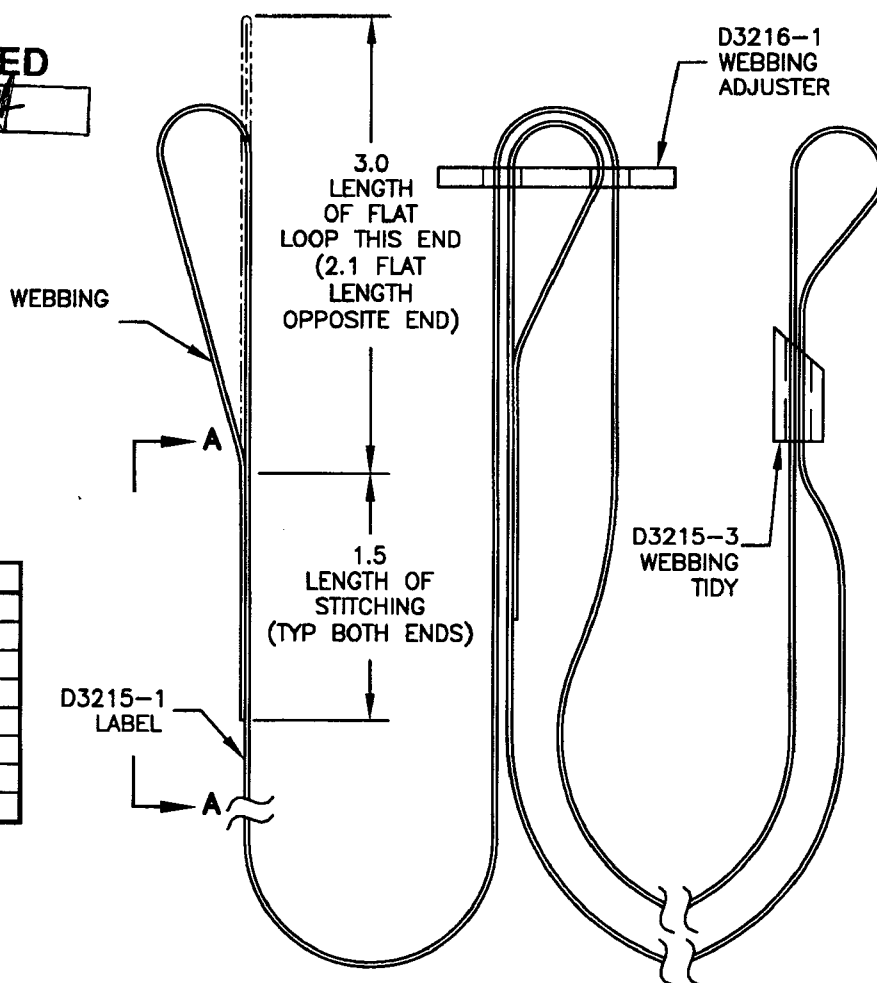
DESIGN <b>GP</b>	DRAWN BY <b>CB</b>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <b>CE</b>	APPROVED <b>[Signature]</b>	DRAWING NO. D3215	REV. D SHEET 1 OF 3
DATE 07.03.27	TITLE BELT ASSEMBLY		SCALE NTS
A	03.09.19	NEW ISSUE	
B	04.01.12	AS MANUFACTURED; ADD TOLERANCE	
C	04.03.05	REDUCE LENGTH; CLARIFY STITCHING	
D	07.03.27	ADD WEBBING SUPPLIER; ADD LABEL THREAD AND MATERIAL; IN VIEW A-A, 1.4 WAS 1.8; ADD -3A AND -3B; UPDATE TOLERANCES	



**ASSEMBLY DETAIL**  
NOT TO SCALE

**PARTS LIST:**

QTY	P/N	DESCRIPTION
X	D3215-041	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
1	D3215-3	WEBBING TIDY
1	D3216-1	WEBBING ADJUSTER



**D3215-041 BELT ASSEMBLY:**

- 1) MATERIAL: WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN  
OR BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD  
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4) SEE SHEET 3 FOR VIEW A-A

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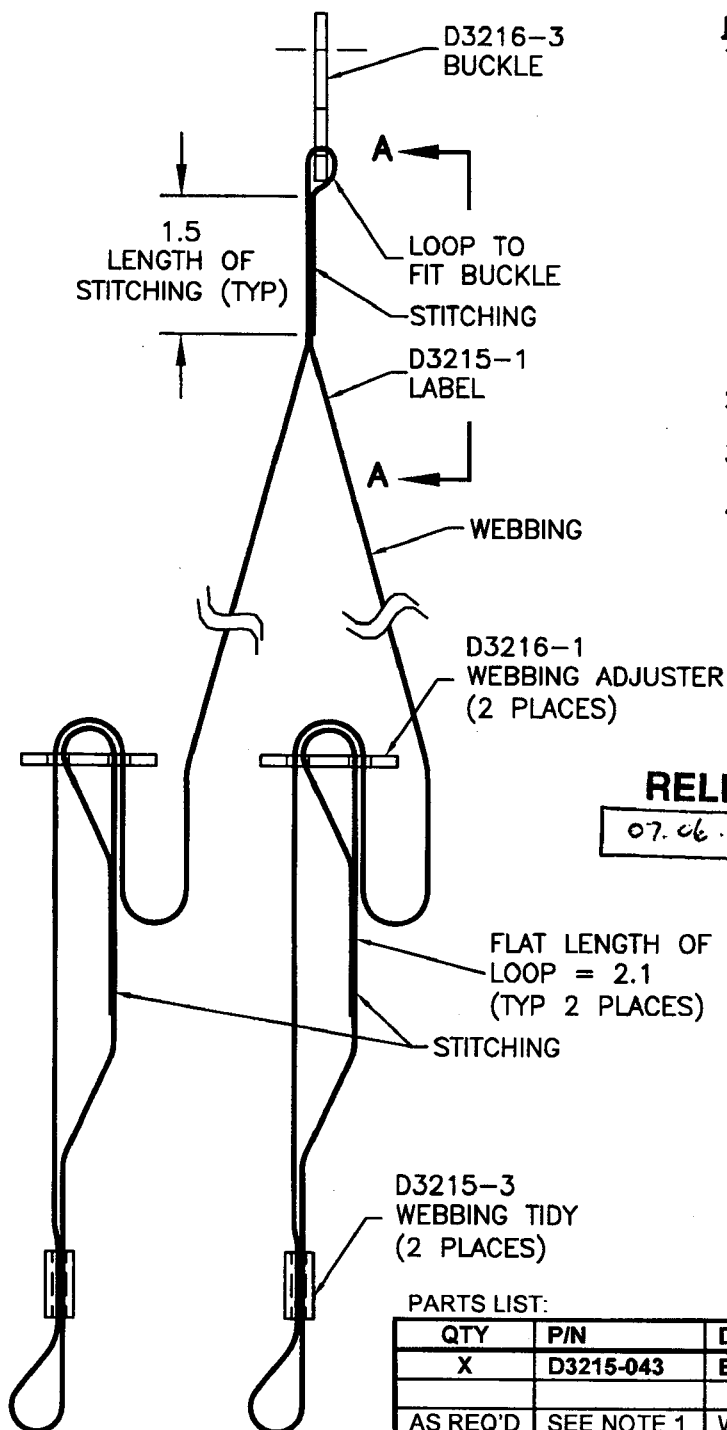
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DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>LE</i>	APPROVED <i>H</i>	DRAWING NO. D3215	REV. D SHEET 2 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS

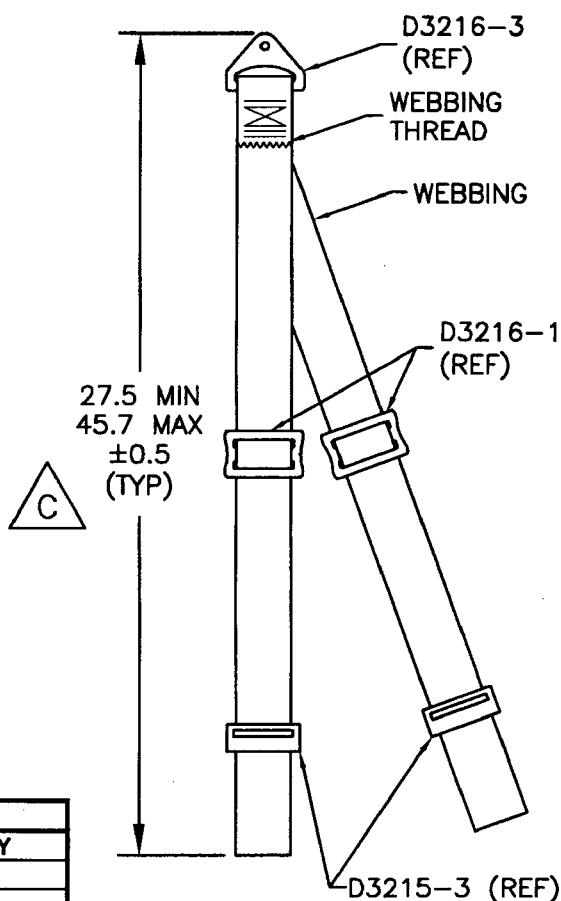
### D3215-043 BELT ASSEMBLY:

- 1) MATERIAL:  
WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE  
x 0.05 THICK BLACK POLYESTER WEBBING,  
CERTIFIED TO FAR 29.853A3, TENSILE  
STRENGTH 5700 lb MIN  
OR  
BELT TECH CANADA INC. 27039, 1.8 WIDE  
x 0.05 THICK BLACK POLYESTER WEBBING,  
CERTIFIED TO FAR 29.853A3, TENSILE  
STRENGTH 6000 lb MIN  
WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3,  
BLACK NYLON THREAD  
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F,  
BLACK NYLON THREAD
- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE  
NOTED.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS  
OTHERWISE NOTED.
- 4) SEE SHEET 3 FOR VIEW A-A



RELEASED

07.06.07



ASSEMBLY DETAIL  
NOT TO SCALE

### PARTS LIST:

QTY	P/N	DESCRIPTION
X	D3215-043	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
2	D3215-3	WEBBING TIDY
2	D3216-1	WEBBING ADJUSTER

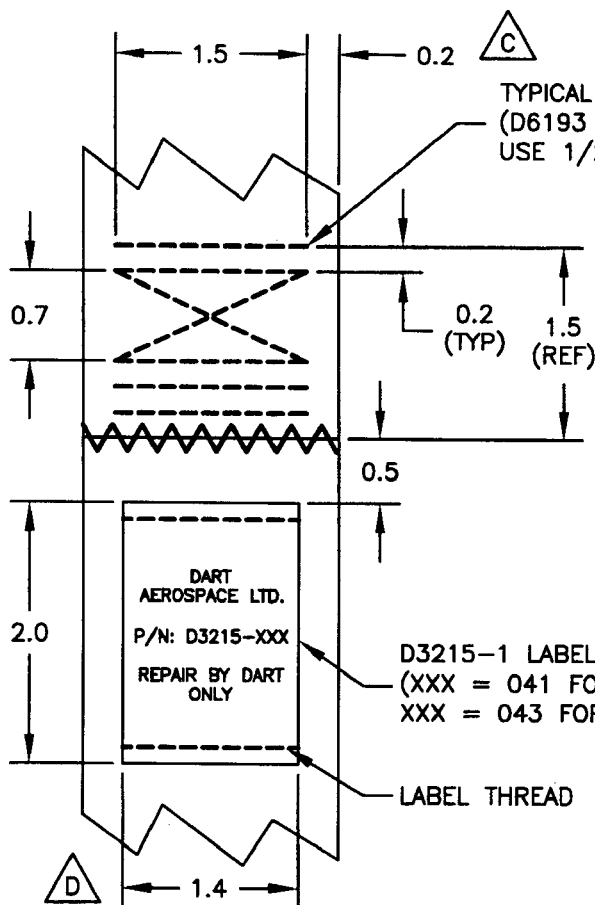
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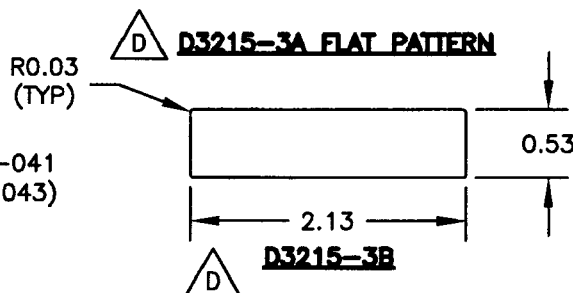
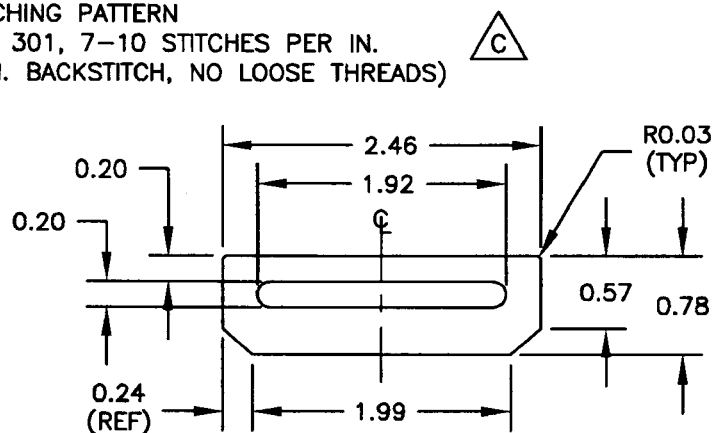




DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 3 OF 3
DATE 07.03.27	TITLE HARNESS ASSEMBLY		SCALE 3:2



VIEW A-A



**D3215-3A/-3B NOTES:**

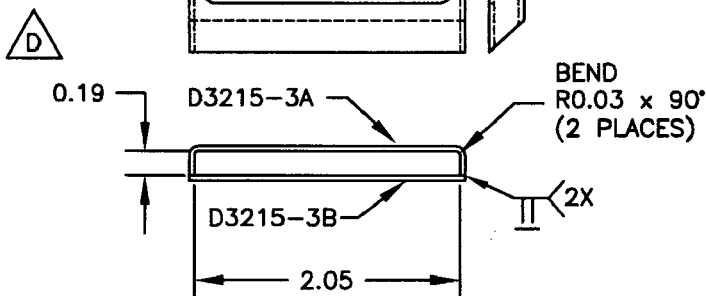
- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.040 THICK PER QQ-A-250/8 OR AMS 4016 (REF DART SPEC. M5052H32S.040)
- 2) BEND D3215-3A PER D3215-3

**D3215-1 LABEL:**

- 1) MATERIAL: WHITE TYVEK OR WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

RELEASED

07.06.07



**D3215-3 WEBBING TIDY**

**GENERAL NOTES:**

- 1) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

**D3215-3 NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT BLACK SANTEX (4.3.5.7) PER DART QSI 005 4.3

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO26218

Purchase Order Date 10/23/2014

PO Print Date 10/23/2014

Page Number 1 of 2

Order From :

VC-TUL001

TULMAR SAFETY SYSTEMS  
1123 CAMERON ST  
HAWKESBURY, ON K6A 2B8  
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FORMED

Contact Name

Vendor Phone 613 632 1282

Ship To Contact

Ship To Phone

Ship Via: Dart Truck

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pri
Line Comments			Promise Date				
Delivery Comments							
1	D3215-043P	Harness Assembly	11/12/2014		4.00	\$30.95	\$123.
			Yes		Each		
			11/12/2014				
	AS PER DWG D3215 REV. D						
	B123138						
						Line Total:	\$123.
2	71401-45	PROCUREMENT QUALITY CLAUSES	11/12/2014		1.00	\$0.00	\$0.
			No				
			11/12/2014				
	Procurement Quality Clauses						
	A004 faa-pma/tso						
	A005 right of entry						
	A007 first article inspection (fai)						
	A016 personnel qualification						
	A026 certification of material conformance						
	A027 flammability test						
	A040 notification of quality escape						
	A041 quality management system						
	A043 retention of quality document						
	DAS 29 9-89						
	DAS 29 9-89						
	8/14/11-12.						

Note:

10/23/2014

8/14/11-12

# PACKING SLIP

# TULMAR

Tulmar Safety Systems Inc.  
1123 Cameron Street  
Hawkesbury, ON K6A 2B8 CA  
Tel: 613-632-1282  
Fax: 613-632-2030  
MID : XOTULSAF1123HAW  
email: info@tulmar.com

Packing Slip No.

**53131**

Ship Date

10-Nov-14

Bill To:

**Dart Aerospace**

1270 Aberdeen Street

Hawkesbury, ON K6A 1K7. Canada

Ship to:

**Dart Aerospace**

1270 Aberdeen Street

Tel: 613-632-9577

Att: Chantal Lavoie

Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager
32371	23-Oct-14	CDART100	Helena Vandeweerd
PO number	Ship Via	Shipping Terms	
PO26218	Pick-Up	FOB HAWKESBURY	
Item No.	Quantity ordered	UOM	Qty Shipped/Returned
Description			Quantity on back order

8938

Belt Ass'y, 1/2" wide, black Webbing

Drawing No: D3215 (P/N D3215-043)

DWG Rev: D

Line 1

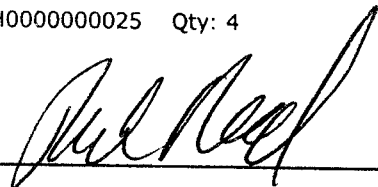
A004 A005 A007 A016 A026 A040

A043

A027 & A041 must be waived

Lot No: BATCH0000000025 Qty: 4

Shipper



Date:

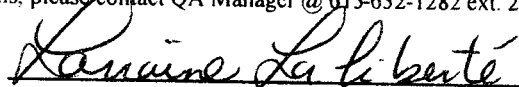
NOV 10 2014

## Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.  
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector



Date:

NOV 10 2014

# Belt-Tech Products Inc.

Certificate of Compliance No : 56 412

Page : 1 de 1  
Date : 2010-10-22  
Time : 13:31:04

Pattern : 27039

Color : CG008 BLACK

Customer : TULMAR SAFETY SYSTEMS

Nissan

Customer Part Number 18440 - 00

Width : 47.000

Meters : 6 728.00

Dye lot No : 432674

Warp Order :

Test Date : 2010/10/22

Legend : Y = Good - Pass  
N = Fail

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining)	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) :

FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the Purchase Order # and was tested at  $22 \pm 3^{\circ}\text{C}$  temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

*[Signature]*

Approved by :

*[Signature]*

4.10-1403E (2010-03-31)

C/c's used to mfg. D3215-043 - Rev.D.  
Laurie Laliberté  
Nov. 10/14

#  
TSS 2281/12 (S)



## **Belt-Tech Products Inc.**

386 Dorchester Street

Granby, Québec

J2G 3Z7

\*\*\* Tel: (450) 372-5826 \*\*\*

\*\*\* Fax: (450) 372-4179 \*\*\*

October 16<sup>th</sup> 2007

Tulmar Safety Systems Inc.  
1123 Cameron Street  
Hawkesbury, Ontario  
K6A 2B8

Attention to Sandra Nadeau

By this letter, we certify that our pattern 27039/47, in all colors, meets the flammability specification of 102 mm/minute maximum of FMVSS 302 and 2.5"/minute maximum of FAR 25-853A.

Best regards,

Lyne Renaud  
Quality Control Manager

They will not Modify the certificate  
- will attach with c/c. for future  
Reference. Oct /2007. @.

TSS 2281



# cansew inc.

formerly / anciennement  
Canadian Sewing Supply Ltd. / Ltée - established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.  
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

20 October 2008

Tulmar Safety Systems  
1123 Cameron Street  
Hawksbury, Ontario  
K6A 2B8

Att. Sandra Nadeau

## CERTIFICATE OF COMPLIANCE

This is to certify that the items mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 20 October 2008, have been produced in accordance with the requirements of Purchase Order no. 14929-00 of the same date:

-Bonded Nylon CBB92 - 35.18 lb, colour OG-107, lot # 748348, meeting the requirements of specification V-T-295, Type 2, Class A, Size F

\*-Bonded Nylon CB207 - 19.96 lb, colour black, lot # 656160, meeting the requirements of specification V-T-295, Type 2, Class A, Size 3, 3 ply

Yours truly,

  
Hershie Schachter  
CANSEW INC.

**MONTREAL - Head Office/Siège social**  
111 Chabanel W/O H2N 1C9  
Administration (514) 382-2807  
Commandes/Orders (514) 382-2801  
1-800-361-7722  
FAX: (514) 385-5530

**TORONTO**  
28 Apex Rd. M6A 2V2  
(416) 782-1122  
1-800-387-8584  
FAX: (416) 782-8358

**WINNIPEG**  
1674 Church Ave R2X 2W9  
(204) 942-4264  
1-800-665-0701  
FAX: (204) 947-9280

**CALGARY**  
3932 - 29<sup>th</sup> St. N.E. T1Y 6B6  
(403) 291-4494  
1-800-667-4197  
FAX: (403) 291-5139

**VANCOUVER**  
1615 Venables St. V5L 2H1  
(604) 682-4341  
1-800-580-0737  
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TSS # 2525/42



**EDDINGTON THREAD MFG. COMPANY**

**3222 KNIGHTS ROAD**

**P O BOX 446**

**BENSALEM, PA 19020**

**VOICE 215-639-8900**

**FAX 215-639-1420**

tm 25001-001

**CERTIFICATE OF COMPLIANCE**

**Customer Name:** TULMAR MANUFACTURING, INC

I hereby certify that on : 7/1/2010

the Eddington Thread Mfg. Company

provided the supplies called for in Accordance with all applicable requirements for shipment.

I further certify that the supplies are of the quality specified and are in all respect in conformance with the contract requirements, including specifications and/or drawings, preservations, packaging, packing and marking requirements.

This certifies that the products were manufactured in the United States and Fully comply with the provisions of the Berry Amendment (10 U.S.C 2533a) as implemented by DFARS 225.7000 - 225.7002-I. Additionally, they also apply where applicable with the Buy American Act - Supplies, 52.225-I as prescribed in 25.II0I(a)(I); 4I U.S.C. 10a - 10d.

**PHYSICAL ITEM DESCRIPTION:** F NYLON BONDED BLACK 1111 T/II C/A AA-59826  
1LB KS TM25001-001 TR350

**GROSS WEIGHT:** 11.9 LBS

**NET WEIGHT:** 10.2 LBS

**UNITS/GROSS:** 10

**PURCHASE NO.:** 288-00

**LOT#:** 51484/2536

**CONTRACT:**

**RELEASE#:**

Re: Berry Amendment / Buy American Act - Supplies

**DATE OF MANUFACTURE:** 06/10

Shelf Life: Indefinite

Date of Execution: 7/1/2010

Signature: \_\_\_\_\_

**S. JAMES LOVENSTEIN**

Title: General Manager

TSS 2530/52

EDDINGTON-THREAD MFG CO  
3222 KNIGHTS ROAD  
BENSALEM, PA 19020

CUSTOMER: TULMAR MANUFACTURING, INC P.O. 288-00  
1LB KS TR-350  
TM25001-001

PRODUCT THREAD NYLON  
SIZE F  
TYPE T/II  
CLASS C/A  
SHADE BLACK 1111

THIS PRODUCT WAS MADE IN THE USA.

SPECIFICATION: VT-295E 1 AUGUST 1985  
TEST COMPLETED 06/10  
INVOICE\_NO  
DATED 7/1/2010

IDENTIFICATION AND QUANTITY  
TESTS, UNIT OF MEASURE

LOT 51484/2536  
RESULTS

10 KINGSPOOLS WEIGHING 10.2 POUNDS  
REQUIREMENTS

NYLON YARN:				
IDENTIFICATION	PASS	PASS	PASS	PASS T/6,6 NYLON
MELTING POINT	PASS	PASS	PASS	GREATER THAN 245 DEGREES CENTIGRADE
BRIGHT	PASS	PASS	PASS	PASS
CONTINUOUS FILAMENT	PASS	PASS	PASS	PASS
BONDING AGENT COMPOSITION	PASS	PASS	PASS	PASS
SHADE MATCH	PASS	PASS	PASS	PASS
COLOR FASTNESS TO LAUNDERING (3 CYCLES)	PASS	PASS	PASS	PASS NO APPRECIABLE CHANGE IN COLOR
LIGHT	PASS	PASS	PASS	
WET DRYCLEANING	PASS	PASS	PASS	
PERSPIRATION	PASS	PASS	PASS	
WEATHERING	PASS	PASS	PASS	
CONSTRUCTION	PASS	PASS	PASS	PASS 210/1/4
DIRECTION OF TWIST				S 'OR' Z - AVERAGE OF 3 SPECIMENS
INITIAL	S	S	S	
FINAL	Z	Z	Z	
TWIST (TURNS PER INCH)	13.2S	13.1S	13.2S	INITIAL TWIST MUST NOT BE LESS THAN
INITIAL FINAL	9.1Z	9.1Z	9.3Z	FINAL TWIST
NUMBER OF PLIES	PASS	PASS	PASS	THE FINAL TWIST MINIMUM IS 5.5
LENGTH PER POUND IN YARDS	4326.00	4351.00	4326.00	PLIES PASS 4
	4368.00	4359.00	4375.00	MINIMUM YARDS 3601
	4355.00	4351.00	4328.00	MAXIMUM YARDS 5200
	4322.00	4316.00	4331.00	
	4321.00	4326.00	4323.00	
AVERAGE	4338.40	4340.80	4336.20	
BREAKING STRENGTH (POUNDS)	13.77	13.66	13.69	MINIMUM POUNDS 11.8
	13.72	13.73	13.63	
	13.64	13.67	13.60	
	13.70	13.62	13.71	
	13.76	13.79	13.65	
AVERAGE	13.72	13.69	13.66	
ELONGATION (PERCENT)	22.25	22.36	22.45	MAXIMUM_PERCENTAGE 26.00%
	22.15	22.38	22.95	
	22.29	22.64	22.55	
	22.71	22.46	22.82	
	22.70	22.54	22.41	
AVERAGE	22.42	22.48	22.64	
FINISH LIMITATIONS	PASS	PASS	PASS	PASS
WAX FINISH (TYPE IV AND V)	N/A	N/A	N/A	N/A
NON WICKING (CLASS B)	N/A	N/A	N/A	N/A
INSIDE	N/A	N/A	N/A	
OUTSIDE	N/A	N/A	N/A	
COMPOSITION OF PLASTIC TUB	CC	CC	CC	PASS

I CERTIFY THAT THE TESTS WERE RANDOMLY SELECTED AND REPRESENT THE LOT OF END ITEMS IDENTIFIED ABOVE. I FURTHER CERTIFY THAT THE END ITEMS TENDERED TO TULMAR MANUFACTURING, INC ARE ALL OR PART OF THE LOT OF END ITEMS TESTED HEREIN.

S. JAMES LOVENSTEIN GENERAL MANAGER

I CERTIFY THAT THE ABOVE TESTS WERE PERFORMED UNDER MY SUPERVISION IN ACCORDANCE WITH THE SPECIFICATION TEST REQUIREMENTS AND THAT THE REPORTED TEST RESULTS ARE TRUE VALID AND APPLICABLE TO THE SAMPLES TESTED.

I CERTIFY THAT THE TEST RESULTS REPORTED AS "CC" (CERTIFICATE OF COMPLIANCE) DO COMPLY WITH THE APPLICABLE SPECIFICATIONS AND/OR CONTRACT REQUIREMENTS

DATE OF MANUFACTURE 06/10

LOT 51484/2536

SAMEER PATEL QUALITY ASSURANCE MANAGER

*Patel*

2536/52



**TULMAR****Certificate of Conformance**

Tulmar P/N 22019-001	Description KIT, white/Blk Thermal. 2360 NWT 1-3/8 " web Transfer tape FMUSS 302	Dwg # /	Revision /	Qty 1 EA
Tulmar PO # 5689	Line Item # Supplier Name / Address Avery Dennison	Supplier Packing Slip # AVY-8164474		

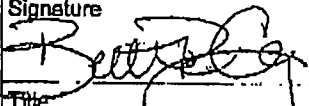
**Supplier Declarations:**

<b>Hazardous Materials Acknowledgement</b>	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Country of Origin of Goods : Japan		if YES, please complete the HazMat Acknowledgement form @ <a href="http://www.tulmar.com">www.tulmar.com</a>
<b>Limited Shelf-Life</b>	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> if YES, please complete the Time Expired - Shelf-Life questionnaire @ <a href="http://www.tulmar.com">www.tulmar.com</a>
<b>Expiry date</b>	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

**Additional Information (MRS#, MRA#, limitations, etc...):**

Shelf life is 2 years from date of manufacture.
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I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name Bethany Covey	Date (DD-MMM-YYYY) 07-Aug-2013
Title Quality, ELS Manager - Lenoir facility	Email <a href="mailto:bethany.covey@averydennison.com">bethany.covey@averydennison.com</a>	Phone # 828-759-3436

Form Revision 13 Aug 2012

TSS # 22019-001/06